Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/04/2015 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124499	-1	2.40	124279	2.32
Blue	F	SSC	125000	124217	-1	3.39	125103	3.09
Blue	E	FITC	17998	17200	-5	2.51	970	8.43
Blue	D	PE	23234	22600	-3	2.20	1020	7.50
Blue	B	PerCP-Cy5-5	69571	68195	-2	2.82	1797	11.88
Blue	A	PE-Cy7	77815	77793	-1	3.79	1024	22.74
Red	C	APC	65936	65578	-1	2.44	3708	7.80
Red	A	APC-Cy7	100669	99773	-1	2.53	1972	7.63
Violet	B	V450	10405	10021	-4	4.37	623	8.65
Violet	A	V500	47250	46286	-3	4.12	2615	6.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19669	8.78	590	11	N/A	N/A	Pass
Blue	F	SSC	62002	2.19	504	15	N/A	N/A	Pass
Blue	E	FITC	105	33.70	520	5	0.0286	103	Pass
Blue	D	PE	211	23.59	513	6	0.2114	176	Pass
Blue	B	PerCP-Cy5-5	217	36.04	597	7	0.0138	1	Pass
Blue	A	PE-Cy7	78	91.24	654	8	0.0179	15	Pass
Red	C	APC	346	25.27	579	1	0.0229	10	Pass
Red	A	APC-Cy7	124	37.06	560	1	0.0052	876	Pass
Violet	B	V450	66	43.31	462	12	0.0444	1879	Pass
Violet	A	V500	170	21.92	502	14	0.0142	160	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.44	-31.24	0.74
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.20
Red	16.83	13.07 - 19.61	N/A	N/A	31.80	32.04	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10568

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments